

NEWSLINE

Published for the employees of Lawrence Livermore National Laboratory

January 11, 2008

Vol. 34, No. 2

GLOBAL SECURITY



WORKFORCE
RESTRUCTURING
IN NEW PHASE

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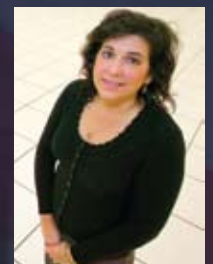


A CONVERSATION
WITH DOESBURG

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MAKING LAB EXPERTISE
AVAILABLE TO OTHERS

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COMPUTING
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Laboratory implements cost-cutting initiatives



Combining employee suggestions with those of the “kitchen cabinet” formed under Deputy Director Steve Liedle, the Laboratory has identified \$15 million in potential savings to Laboratory operating costs for fiscal year 2008.

Some of the savings will come via reductions in computer equipment and office furniture purchases, curtailing electrical usage and reduction in travel, among others.

Implementation plans have been established for each cost-cutting measure and progress will be tracked.

“Thanks to the kitchen cabinet and our employees’ suggestions, we’ve identified a good group of target areas where we can start reducing our operating costs,” Liedle said. “While some of these measures will involve the scaling back of purchases and expenses, others are a matter of process improvement, to streamline work.”

Following George Miller’s Laboratory address in November, nearly 300 suggestions for reducing costs were submitted by employees via a special e-mail, save-dollars@llnl.gov.

In addition, Liedle formed a special task force, or “kitchen cabinet,” to identify areas for cost reductions as well as discuss implementation of employee suggestions. The kitchen cabinet consists of a cross section of employees representing each principal associate directorate.

Six initial efforts launched:

- Reducing desktop computer and peripheral purchases by 70 percent, for a savings of approximately \$7 million;
- Reducing office furniture purchases by 80 percent, saving approximately \$1.7 million;
- Moving people only, not furniture, when Laboratory relocations are necessary, saving approximately \$1 million;
- Curtailing electrical usage by 10 percent, saving approximately \$3.7 million;
- Reducing employee business travel by 5 percent, saving approximately \$1.2 million;
- Cutting office supply expenses by 20 percent, for a savings of approximately \$760,000.

In addition, there are other efforts aimed at capturing savings that will pay off in the longer term, including assessing and improving the efficiency of space and building utilization, facilities management and information technology. When implemented, these initiatives are expected to result in savings exceeding \$50 million per year.

The Laboratory also is training process improvement analysts or “Black Belts” in “Six Sigma,” a set of practices for identifying and executing continuous quality improvement as well as cost savings.

Six process improvement projects (PIPs) already under way are expected to result in savings of \$2.2 million in FY08. The six projects include: increasing small business participation; decreasing the time and cost needed to prepare and approve Work-for-Others packages; reducing the certified invoice approval process; and increasing the throughput of DNA sequencing at the Joint Genome Institute.

To read more about cost-cutting efforts around the Lab, see page 8.

Another step for workforce restructuring

The Laboratory took the next step in the workforce restructuring process Monday with the notification and release of flexible term employees.

“Dedicated people who have contributed to this institution are leaving the Laboratory. I want to personally thank them for their contributions and wish them well in their future endeavors. We will truly miss them,” said Director George Miller in a message to employees. “These changes, while particularly difficult, are part of the steps we are taking to position the Laboratory for the future and ensure our continuing ability to contribute to the solution of the country’s and the world’s most challenging problems.”

Flex-term employees and supplemental laborers received written notification under the WARN Act (Worker Adjustment and Retraining Act) in mid-November regarding the planned workforce reductions. Miller announced that supplemental and flexible workforce employees would be released as part of an overall restructuring plan to alleviate the shortfall in federal funding and increased contract costs. Additional releases for some supplemental labor employees will occur next week. A decision involving potential voluntary and involuntary restructuring for the career indefinite workforce will be discussed by Miller at his all-hands address Thursday, Jan. 17.

Miller will discuss his vision of the future, the strategies that will help accomplish that vision and give his perspective on the opportunities and challenges facing the Laboratory. The director also will discuss the allocation of the federal budget to the DOE’s individual sites and his decision on the compensation increase package.



Newsline to transition to an electronic-only Web-based format

After nearly 40 years as a print publication, *Newsline* will enter a new era in February when it transitions to a Web-based format that will continue to serve the larger Laboratory community on a weekly basis.

As part of the Laboratory’s effort to reduce costs, *Newsline* will cease printing the paper and mailing it to retirees and other stakeholders effective Feb. 1. However, *Newsline* will continue to appear weekly in electronic form and will be made available to retirees on the Laboratory’s Website. Links also will be provided on the LLNL retiree’s Website.

By eliminating the 15,000 hard copies of *Newsline* printed each week, the Laboratory will save more than \$100,000 a year in printing, mailing and distribution costs, as well as reduce waste paper.

Newsline’s current format will be adapted to better use Web-based media and resources. Features and columns, such as obituaries, want ads, Retirees Corner and Wild Side will continue to be published regularly.

Newsline has a long and distinguished history going back to the early 1970s when it began appearing weekly. Since the late ‘70s, the paper has been published twice weekly, weekly or every other week at varying times. The frequency of *Newsline* was reduced in 1996 and again in 2006 as online communication resources, such as *NewsOnLine*, became more pervasive. *Newsline* reverted to weekly publication in 2007 for the duration of contract transition.

Newsline, including want ads, will continue to be available electronically via the Laboratory’s external home page, <https://www.llnl.gov/>.



UC Regents to vote on UCRP asset transfer to LLNS defined benefit plan

As part of the closeout of the University of California's contract with the Department of Energy to manage the Laboratory, UC President Robert Dynes next week will seek regents' approval of two agreements between the University and the DOE/National Nuclear Security Administration (DOE/NNSA).

The first agreement relates to the transfer of University of California Retirement Plan (UCRP) assets and liabilities associated with LLNL UCRP service to the new defined benefit plan at Lawrence Livermore National Security, LLC (LLNS) for those employees who chose to participate in the plan (i.e. TCP1).

The second agreement covers the DOE/NNSA's funding of UCRP for the retained LLNL members, if necessary in the future. The regents will consider the agreements at their regular business meeting on Jan. 15-17 in Los Angeles.

Both agreements must be approved by the regents and officials at DOE/NNSA before either will become effective. If both agreements are approved, the asset transfer is scheduled to take place on or before April 1, 2008.

For more information, see UC's Website at <http://www.atyourservice.ucop.edu>.

Notice regarding the Health Care Reimbursement Account card

SHPS has recently confirmed that employees who elected to re-enroll in the Health Care Reimbursement Account (HCRA) program during Open Enrollment will not be issued new cards; the existing cards have been "reloaded" to reflect employees' 2008 elections.

If cards are lost, misplaced or employees need an additional card for covered dependents, contact SHPS directly at (877) 270-3915 to request a new card.

Participants who have an unclaimed balance remaining from their 2007 election have until March 15 to incur additional expenses to claim against the 2007 balance to prevent forfeiture. Participants who have an expense they wish to use against their 2007 balance, must submit a claim form to SHPS for reimbursement; the deadline for submission is June 15. The claim forms are available on the SHPS Website at <http://www.myshps.com>.

Newly enrolled participants should receive their new SHPS debit card in the mail by mid-January. For questions regarding the HCRA program and how it works, call the Benefits Office, 2-9955, or visit the Benefits Website <https://benefits-int.llnl.gov/>.



Editor's note: Following transition to management under Lawrence Livermore National Security, LLC, several rumors are circulating regarding the Lab's policies and procedures. *Newsline* will use this space to address these issues regularly.

Rumor: The Laboratory is about to require every employee to provide their own custodial services, such as dumping their own trash cans, cleaning their bathrooms, etc.

Fact: While the Laboratory is looking into the possibility of scaling back the frequency of some custodial services to save on operational costs, employees will not be required to provide their own custodial services for their offices.

Rumor: In an effort to reduce costs, the Lab will be eliminating the ACE train shuttle and will be scaling back taxi services.

Fact: There are no plans to change services in either of these areas.

REMINDER

LLNS pay statement update



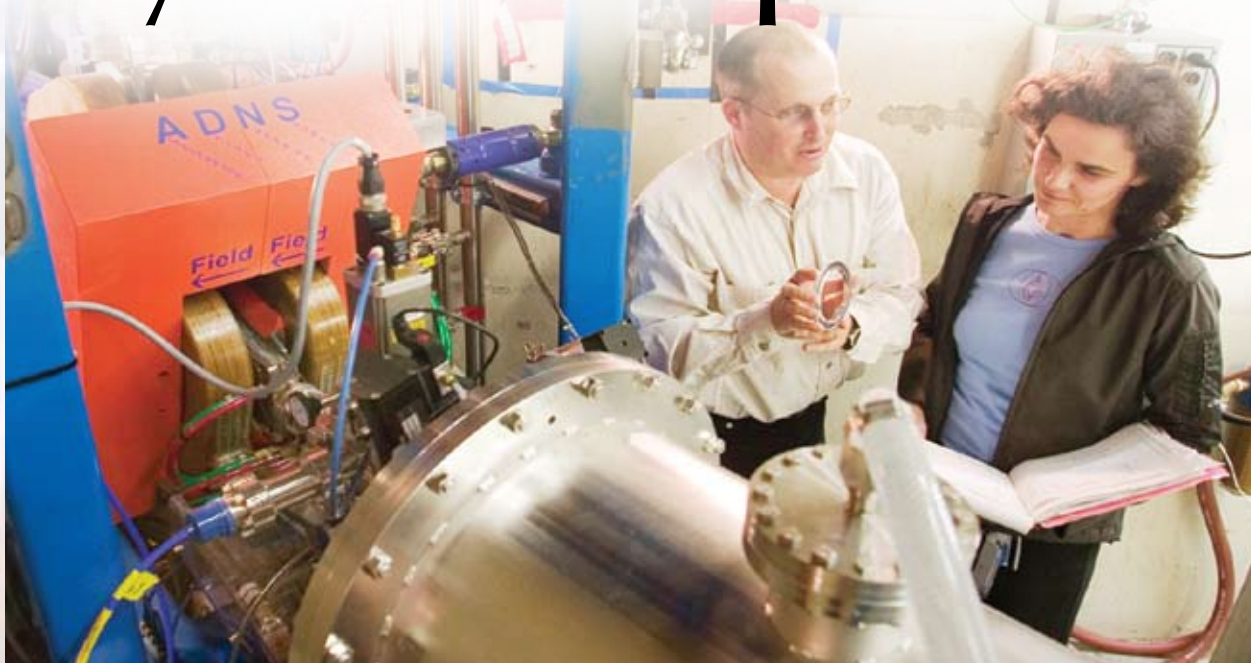
In a timing change from previously announced news, Lab employees will continue to receive direct deposit statement copies through the mail to their homes or L-Codes until late January. After W-2 processing is completed, employees will learn via *Newsline* and *NewsOnLine* how to opt in to

continue to receive hard-copy pay stubs. Employees will be encouraged to adopt LAPIS as their primary pay stub delivery method.

Global Security looks for sponsors

"We are putting a great deal of effort into strengthening our work-for-others program."

— John Doesburg



JACQUELINE MCBRIDE/NEWSLINE

Doug Manatt and Marie-Ann Descalle work on the active neutron interrogation system for inspecting cargo containers.

*By Stephen Wampler
Newsline staff writer*

In the three months since the Lab's new Global Security organization has been established, its staff and managers have been busy pursuing one of their principal goals — increasing the directorate's work-for-others portfolio. Global Security may be helped in its bid to perform more research for other agencies by sharing information about the Lab's innovative technologies and teaming with other institutions.

"I'm pleased with where we are because we're further along with sponsor relationships than I thought we'd be," said John Doesburg, the principal associate director (PAD) for Global Security. "It's excellent that sponsors are coming to us this early in the year with a high level of interest in teaming with Livermore."

Within a one-month period, Global Security hosted senior officials from another national laboratory, a major aerospace company, the Defense Threat Reduction Agency and several intelligence agencies.

A two-day meeting with Oak Ridge National Laboratory officials, including Frank Akers, ORNL's associate laboratory director for National Security and the chairman of the Army Science Board, was called "exceptional" by Doesburg.

"The major highlight was that there were definitely areas of collaboration between the two labs that could lead to significant programs. We also found several proposals where we both need each other to proceed," Doesburg added.

During the visit, Akers was shown some of LLNL's work on focused lethality, developed in the Weapons and Complex Integration organization, that he plans to make a major topic for the Army Science Board, Doesburg said.

Other visitors within the one-month period included a vice-president from Northrop Grumman,

who is interested in teaming with LLNL on biological detection and other key defense-related technologies; officials from the Defense Threat Reduction Agency and representatives from several intelligence agencies.

"We are putting a great deal of effort into strengthening our work-for-others program. We're focused on providing directed research in all of these cases," Doesburg said.

For the current year, Doesburg indicated that his goal is to achieve incremental growth in the Global Security's work-for-others portfolio over fiscal year 2007.

In years two through five, he wants to see a move from incremental improvements to an upward start on an exponential curve.

"We want to build relationships with our sponsors so that they come to us to solve their problems," Doesburg said.

During the past three months, Global Security has created a Business Development Council, which will decide how the organization will invest its program development funds to develop new technologies targeted at meeting the needs of potential new sponsors.

Members of the council include all five of Doesburg's program directors: Wes Spain (Intelligence), David Brown (Defense), David McCallen (Nonproliferation), Page Stoutland (Domestic Security) and Doug Rotman (Energy and Environmental Security).

In December, the organization issued a call for proposals from researchers seeking program development funds who have ideas for advancing technologies in areas important to Global Security.

These areas include: biological, chemical, explosive and radiological/nuclear detection, domestic security, energy and environmental security, intelligence and nonproliferation.

In addition to setting up a Business Development Council, Global Security also has developed a strategic roadmap that describes the direction the organization is moving and identifies the focus of major sponsors and potential long-term areas of research.



The Lab's gamma-ray imager, which fits inside a small truck, can detect very small radioactive sources at significant distances.



The adaptable radiation area monitor (ARAM) can detect small amounts of radioactive material inside a vehicle moving at highway speeds.

On the cover: A collection of Lab technologies, including the Single-Particle Aerosol Mass Spectrometry (SPAMS), the Biological Aerosol Sentry and Information System (BASIS), the Easy Livermore Inspection Test for Explosives (E.L.I.T.E.™) and the Autonomous Pathogen Detection System (APDS).



A conversation with...

John Doesburg

(Editor's note: The transition to management by Lawrence Livermore National Security has brought the Lab a few new faces among its senior leaders. Newsline features "A Conversation with..." a series of profiles on the Laboratory's new leadership. This week, meet John Doesburg.)

John Doesburg is the principal associate director for Global Security.

The newly created Global Security organization encompasses the Nonproliferation, Homeland and International Security directorate, and portions of the Energy and Environment directorate.

It features six divisions — Nonproliferation; Radiological and Nuclear Countermeasures; Chemical and Biological Countermeasures; Infrastructure and Force Protection; Energy and Environmental Security; and International Assessments. It also includes the National Atmospheric Release Advisory Center and the Security Awareness for Employees (SAFE) program.

Before coming to the Laboratory, Doesburg worked for two-and-a-half years as the University of Tennessee-Battelle's director of Homeland Security and a program director in the national security directorate at Oak Ridge National Laboratory.

Previously, he served in the U.S. Army for 35 years, retiring as a major general.

In his last Army position, he was the commanding general of the U.S. Army Research, Development and Engineering Command. This organization provides basic research, development, engineering and analysis of warfighter systems, from concept to capability.

Doesburg has a bachelor's degree in chemistry from the University of Oklahoma and a master's degree equivalent in national security from the U.S. Army Command and General Staff College.

What did you want to be when you were a kid: It's probably not surprising, but my goal was to be in the military, just like my father. He received a battlefield commission and became an officer during the Second World War, and also served in Korea.

First job: In junior high school, I delivered newspapers and mowed lawns. My father made it clear that if you wanted money, you earned it. The newspapers cost five cents and I got two cents.

Guiding principle: There is nothing too difficult to overcome. Failure is a state of mind.

Work philosophy: I come in early and I stay late. In the morning, it's quiet and I can get a lot done. In the afternoon, I can talk with others.

Best decision: I've been married 35 years, so marrying my wife Denise has to be my best decision. But the Army was a pretty good decision also. At first, I was only going to be in for four years, but then I re-upped for another year, and then another year, and soon it was 35 years.

Worst decision: I was an original employee of Pizza Hut. My boss asked me to take a year off from college to manage his business. I told him there was no future in pizza.

Career highlight: Serving as the commander of the U.S. Army Chemical Activity (Pacific). We destroyed chemical weapons and did real world stuff.

Career low: Working in the Pentagon because I wasn't able to have the close, personal relationships that I had when I was associated with my soldiers.

Word or phrase to describe you: Dedicated.

Interests/hobbies:

I love putting the top down on my car and driving in the beautiful countryside. I also have a model train set that's in the attic of our house in Tennessee waiting to be moved when I have a house out here with enough space.

Favorite book or film: My favorite movie is "Heartbreak Ridge" with Clint Eastwood. It epitomizes the non-commissioned officers I grew up with in the Army.

Favorite food: Pepperoni pizza.

Pet peeves: People who don't get to the point. I don't mind the debate, but I like to get to the point.

Your hero: My father.

Best vacation ever: We lived in Hawaii for five years. Actually, my family lived there — I spent two-and-a-half of those years on Johnson Atoll. Other than Hawaii, my best vacation was a one-week cruise that my wife and I took through the islands of the Caribbean. My wife scheduled it with my secretary, and I didn't know anything about it until it showed up on my calendar.

Next career goal: Maybe in teaching or advising people. I think at some point, we get to where our background and experience can help others and we have a responsibility to pass on our wisdom and information to help others avoid mistakes that we've made.

How do you deal with stress: I go for a drive in my convertible and put on some smooth jazz. The music calms me and the breeze feels great. A good run also takes away a lot of stress.

Characteristic you most admire in people: An intellectual focus, where people seek to discover what is unique about them as individuals and seek to grow in those areas.

Best piece of advice you've ever received: It was very simple: Never give up. As a second lieutenant, I was assigned to a unit in trouble. I asked my commanding officer what we were going to do. I was told "Just don't ever give up, and we'll get by." And we did.

Best advice you ever gave: People would ask me if they should retire from the military after 20 years. I replied that "You should do what's best for your family in the long term. Your military career is finite; your family is forever."

What you like most about the Bay Area: The weather, the people and the Laboratory, which is an amazing island of intellectual power.

What you miss most about Tennessee: The rural environment. I could drive 30 minutes and reach the Smokey Mountains, or 10 minutes in the other direction and be on the Tennessee River.

Special capabilities you bring to LLNL and Global Security: Organizational skills, an understanding of science and technology, plus an understanding of the world outside the Lab's fences.

Your vision for Global Security for next year and the next five years: For this year, I'd like to see us make an incremental improvement on work-for-others projects over fiscal year '08. In years two through five, we want to move from incremental improvements to start upward on an exponential curve. We want to build relationships with our sponsors, so that they come to us to solve their problems.



PHOTOS BY
BOB HIRSCHFELD/NEWSLINE



i.want ads

Due to the high quantity of ads and space limitations, these want ads have been abbreviated. For the complete ad listings, refer to the internal Website: <http://www-r.llnl.gov/pao/news/wantads.html> or for the latest pdf download and retiree information, see the external Website: <http://www.llnl.gov/pao/employee/>. Please note that these ads appear on the Web.
Date of ads: Approx. Jan.2 - Jan. 8. Ads appear on the Web for seven days.

AUTOMOBILES

1969 Pontiac GTO \$38,000 OBO Metallic Emerald green 2d Sedan. 650-704-8666

1985 Honda Civic Wagon \$700. Bicycle and ski racks, 250k miles. 33 mpg. 443-1699

1997 Camaro Convertible \$6,500 OBO 78k miles, 4.3 V-6, automatic trans. 925-323-8223

2000 Durango 5.9L \$8,000 OBO Silver/grey, 90k miles, V8, lowered 2", 18" chrome wheels. 209-356-1747

2000 Jeep Cherokee Sport \$3,500 White, 105k miles, 6 cylinder. Original owner. 925-455-5693

2000 Jeep Grand Cherokee limited \$11,500 OBO 84k miles, 4WD and 4.7V* engine.925-518-4712

2000 Mercedes-Benz S430 \$19,000 97k miles, silver/black leather seats. 925-606-5957

2001 Chevy Tahoe \$15,000 72k miles, 4WD, tow package, sun roof, leather, 3rd row seats. 925-462-7736

2001 Pontiac Bonneville SSEi - Supercharged \$7,500 Silver, 3.8 liter V-6 Supercharged (240 HP). 209-499-6607

2004 BMW X5 \$32,950 30k miles, sterling gray, sport susp, CD changer. 925 846 1453

2004 Ford Mustang Convertible 2D \$15,000 15k miles, dark silver. 209-609-5602

2004 Ford Taurus SES \$7,000 OBO 45k miles, 24v 3.0 L V6 engine, auto trans. 925-294-9651

2004 Toyota Sienna XLE \$19,200 43k miles, medium grey/light grey, leather, heated seats, (4-Wheel). 209-835-9240

2005 BMW Z4 Roadster \$28,000 16k miles IPOD adapter, Bluetooth w/ steering wheel, 2.5L. 925-980-5373

2005 Mazda RX8 \$19,000 OBO 7,500 miles, grey/black automatic, paddle shift A/C P/W P/L. 925-373-1522

97 Chrysler Sebring LXI Coupe \$3,000 118k miles, all black, V6 2.5 liter, auto, leather. 209-295-4266

97 Honda Civic HX \$3,800OBO 134k miles, power windows, doors, alarm system. 916-813-0424 or 925-382-2918

2000 Buick LeSabre \$5,000 18k miles. Dark blue/tan leather interior, power locks, windows. 925 736-4058.

1999 Mercury Cougar V6 Coupe \$5,000OBO 91k miles, CD player, power windows, seats. 858-349-6369.

Tire \$100 OBO Spare for Honda Pilot, never used. Good-year T155/90D16925-706-2337

BICYCLES

Girls 24-Inch Bicycle \$30 Never ridden. 925-449-4226

Girls 24-inch bicycles \$10 each. 925-846-5110

Girls Schwinn Mountain bike \$50 OBO. 925-240-7374

BOATS

Bass boat \$18,000 1998 18ft Ranger Model R73 Sport, 125 HP Mercury, all metal single-axle trailer. 925-449-0463

Rave Sports Blade Tube \$30 Inflatable round tow-behind, new in unopened box. 925-648-0671

ELECTRONIC EQUIPMENT

New Game for PS3 \$39 Brand new. Call of Duty 4: Modern Warfare. 925-373-0751

New unopened Wii Console + 5 sports game \$325 Receipt available. Cash only. 925-833-1715

Canon EF 17-40mm f/4.0 L USM lens \$450 Almost new condition. 925-846-3653

CD Burner \$30 Lacie external CD read/write firewire 400. 925-443-4292

Dot Matrix Printer \$25 Okidata Microline 380. 925-337-2240

Gameboy Advance SP \$75 five games, w/case and charger. Good condition. 925-420-6521

Laser Spectra Physics Model 1555 \$200 OBO Uniphase 1988 Class II Helium-Neon Laser. 925-706-2337

Minolta Dimage F100 4Meg Digital Camera w/ 2gig SD card \$60 OBO Battery latch is broken. 916-479-0807

Nintendo Wii \$310 New, gaming system/5 sports games. Cash only. 925-455-4484

Nokia N76 Cell Phone \$375. 510-744-9488.

Panorama Head \$225 For Virtual Reality panoramas, Manfroto #303plusQTVR. Fits all digital cameras. 510-226-7440

JVC 36" TV \$200 10 years old (mfg 6/98) but in great condition; model AV-36950. 925-640-1806

GIVEAWAY

Electronic organ Allen Theatre Deluxe model. Uhaul. 925-447-1635.

Camper Shell - U Haul Off Chevy S10 pickup (> 10 years old). In Tracy. 209-836-5413

Furniture Wood Desk 30" tall x 64" long x 24" deep, Also twin bed. 925-449-0463

Lawn Mower W/ gas can, runs. 925-443-4292

HOUSEHOLD

37 in Zenith TV \$200 Perfect condition. 925-373-7575

Round patio table \$50 White aluminum 48" patio table with tempered glass top.925-454-5305

Zenith black face upright radio \$125, butcher scale \$95, pine commode (night stand) \$125, oak highboy dresser \$160, mahogany player piano \$350, call for more. 925-980-4198

Baby items \$30 each Toddler Jogger Stoller, Solid Wood High Chair, Graco Open Top 3 Speed Baby Swing. 925-683-1047

Bathroom vanity top \$75. 925-989-7439

Book shelf or shelves Needed large bookshelf oak or cherry. 209-402-5336

Bunk bed \$500 Combo twin loft, & trundle, computer desk, dresser, storage area 2 mattresses. After 5 p.m. 510 797-1133

Car bed \$65 Childs twin bed and mattress, good condition. 373-1648

Chest freezer \$40 Whirlpool 5 cu.ft. 209-321-1749

Child's youth bed & mattress Metal, good condition. 925-829-2245.

Computer desk with file drawers \$110 Metal & black glass w/storage pedestal. cash only. 925-640-5469

Dining chairs \$300 Oak, 6, 2 arm/4 side, chair pads included. 925-447-0243

Dining table \$50 IKEA, 2 leafs, 4 chairs and 1 bench. 209-321-1749

GE gas dryer \$150 XL capacity Excellent Condition. 925-337-4499

High velocity air circulator fan \$30. 925-648-0671

Holmes twin window fan \$25. 925-648-0671

IKEA bunk beds \$250 Silver metal with built rails and stairs to top bunk, mattresses included, 209-814-4757

IKEA Lillberg sofa and chair \$150 Matching, off-white. 925-454-9329

Kelty baby backpack carrier \$60. Meadow edition. 925-240-7374

Kenmore dryer \$200 White large capacity. Uhaul. 925-485-4395

Kenmore dryer \$100 Large capacity, gas. 209-836-2389

Kenmore Elite Trio refrigerator \$450 24.8 cu.ft. Can deliver locally near Tracy. 209-321-1749

Kids items 2 car seats, \$20 each or 2 for \$30. Table/chair set, \$30. Playpen, \$20. Infant's Saucer \$20. Bouncer, toddler's bikes, play table, toys etc, \$5-\$10 OBO. 925-371-8990

Loft bed \$600 Twin/ desk, dresser and trundle. Lots of storage. 925-443-6096

Office furniture \$250 Computer desk with hutch, 925-447-4370

Patio door/ sliding door drape \$50. 925-455-1306

Queen bed \$400 Pottery Barn Thomas. 925-640-1806

Reusable lunch bag \$5 Insulated nylon, new/unused. 925-708-9587

San Francisco 49er rocking horse \$25. New/ never opened. 925-240-7374

Soccer ball humidifier \$20 New/unopened box. 925-648-0671

Solid wood cabinet \$45. U-Haul, cash only. 925-640-5469

Sony TV \$125 35", works great. 925-373-1522

Trundle bed \$75 Mattress included. Call after 6 p.m. 925-784-3314

MISCELLANEOUS

Audio books Koontz, Cornwell, Grisham, cassette: \$5 each or 5 for \$15. CD: \$15 each or 3 for \$30. 925 706 2337

Electric fence \$25 Wire, insulators. 925-443-4292

Golden State Warriors home tickets \$75 Each (qty 3) or \$180 for all 3, Location: Section 107, Row 24, Seats 14-16, Jan. 27, Feb. 22, Feb. 29, March 12., March 15. 707-373-7401

Fisher Price Little People toy sets \$50. 925-454-8827

1:6 scale classic Herbie Fully-Loaded \$25 #53 Volkswagen Beetle with rechargeable battery pack and multi-function remote. 925-454-8827

Reebok RL 525 elliptical \$350. OBO 209-918-1298

Shane Co. jewelry \$25 Gift Card \$10 Jewelry located throughout Bay Area. 925-648-0671

Spiderman giant inflatable pool \$25. New/unopened box. 925-648-0671

North Face Jacket \$50 Forest green. 209-814-1791

MOTORCYCLES

1998 Kawasaki Concours Z1000 \$3,000 OBO 32k miles. 209-968-9236

2000 Yamaha Blaster 200 \$1,800. 209-495-6957

2002 Raptor 660 \$3,300 Strong running bike. 209-368-4286

2003 Honda Sportrax 250 ATV \$2,000 Low hours, good rubber. 209-321-1749

2003 polaris 500 Predator \$2,700. 209-825-6311

2005 Harley Davidson Softail Deluxe \$18,000, 7,300 miles. 925-980-5373

2006 Yamaha TTR 230E \$2,400 OBO 8 hrs on it. 209-649-3171 or 925-784-0245

Dirt Bike - Honda CR250R 2001 \$2,250 Trail ridden only, located in Tracy. 209-830-1920

1977 Honda Trail 90 \$750 Good condition. 209-951-8201

Motorcycle & Quad \$2,500/ea. 2001 Kawasaki KX 250. \$2,500 OBO. 2004 Honda Recon ES QUAD. \$2,500 OBO. 916-684-1450

1982 XR 80 \$500. Newer plastic, tires, chain, sprockets, wheel bearings, rings and gaskets. 925-207-2030

MUSICAL INSTRUMENTS

Piano \$2,200 OBO 1903 Chickering antique piano. Very good condition, recently tuned. 925-634-9973

Yamaha Spinet Piano \$800. Metronome included. 510-653-1017

Player Piano \$995 Aeolian Sting II Roll with bench. 925-634-0868

Rainsong Carbon Graphite 12 string guitar \$1,500 OBO. 925-240-7374

PETS

Turtle \$40 Red-eared slider, with 15 gal aquarium and filter, plus supplies. 209-814-4064

100 gal aquarium \$400 Acrylic TruVue, integrated wet/dry filter system. 925-455-8823

Australian Shepherd/Border Collie mix 7 year old male Aussie/Border Collie, well-mannered, trained, great with kids, cats and dogs, approx 45 pounds. 209-815-4127

Beagle puppies \$350 OBO Purebred, 7 weeks, 1st shots and wormed, 3 boys, 4 girls, parents on site. 209-892-3228

Bird cage \$15. Good for parakeets, cockatoos, or cockatiels. 925-422-0865

Blonde mutt \$20 Mature and energetic short-haired, large dog, loves children. p209-815-7572

Cats Males, 1 pure white with blue eyes - 4 years old, 1 snowshoe light grey tabby on white with blue eyes - 2 years old. 650-714-1612

Chihuahua Toy Breed puppy \$350 10 wk old female black/tan, has had first series of vaccinations. 925-292-9667

Older male cat. Dark grey/white, 14 years old - needs a quiet loving home, willing to pay for vet bills/food in exchange for a nice home. 209-914-9025

Yellow/Cream Laborador puppies \$375 10 male and 4 female pure bred for sale. Parents are family owned. 925-443-1855

Yorkie pair \$4,000 Adorable, friendly, small M/F pair together, AKC papers, to good home. 925-606-5334

RECREATION EQUIPMENT

Ab Mouse Exerciser \$10. 925-640-5469

Big Agnes Emerald Tent \$425 SL-3: 3 person super light/3 season. 925-200-8377

Exercise equipment \$125 Squat rack, lat pull, incline bench, bench press, hamstring curl, leg curl, Olympic bar, misc. weights. 925-980-4198

Home gym \$100 Dynamics LM 1000 Multi Gym - weight machine. 925 846 1453

Snowboard boots \$25 Airwalk, woman Size 6 or child size 4 in good condition. 510-653-1017

Titleist driver D2-907, 9.5 \$300 Graphite shaft UST Pro-force V2 75. 925-447-1149

True 540HRCO treadmill \$2,000 OBO. 462-9722

Treadmill \$100 0-10 Mph, power incline, heart rate monitor, programmable. 925-449-0259

RIDESHARING

Oakland/Montclair, leaving Oakland/Montclair (Joaquin Miller Road) at 7:35 a.m., leaving LLNL at 5 p.m. 510-530-1289

Lamorinda Lafayette-Moraga-Orinda, meets at El Nido Ranch Road and Acalanes adjacent to Hghy 24, lab hours 8 a.m. -4:45 p.m. 925-253-0498

Modesto \$140 month 4-10s, 6 to 4:30 Mon.-Fri. 209-667-2365

Montclair. Eleven passenger luxury van. \$155 a month. AWS. 510-531-4399

San Francisco Rider needed, 9/80 alternate work schedule,

7 to 4:30 Mon-Thu, Fridays 7 to 3:30, every other Friday off. Leave SF at 5:50 arrive 6:45. Leave LLNL 4:25 return 5:30. 415-673-9546

Berkeley vanpool \$110 month 7-person vanpool, starts College and Ashby 7:40, additional pick up spots on Tunnel Road and Redwood Heights Rec. Center in Oakland, leave the Lab at 5:15 925-424-5093

San Mateo vanpool Need riders, work hours 8 to 4:45, leave from carpool lot at 7 under freeway Hwy 92 at Hwy 101. 650-952-6186

SHARED HOUSING

Furnished room for rent \$650. Livermore, private bathroom and all the amenities. Females only please. 925-422-9433

Room for rent \$640/mo. full bed provided optionally kitchen, living rm, family rm privileges, separate bath, no smoking, no pets. 925-454-9329

Room for rent \$350 Stockton, Quail Lakes, I-5/March, optional furnished, whole house privileges. LLNL carpool available. 1/2 util, negot. I have small dog/cat. No addtl pets. 925-989-7439

Room for rent \$700/mo Large room, with bath, gated Danville community. Access to all of home including garage. Available immediately. Not furnished. No pets or smoking. 925-968-1407

Roomate for commuter (PT or FT) \$500/mo Clean house, room and shared house privileges, Livermore by Airport. No pets. 4 bedroom 2 bath, pool. 925-785-0984

TRAILERS

2004 32' Rage'n Toy Hauler \$23,500. 209-810-7129

2004 Desert Fox 21SW Toy Hauler, Onan 4k generator, fuel station. \$17,500 925-516-8339

TRUCKS

1986 4X4 Nissan Pickup \$2,500 OBO 209-470-4179

1998 Dodge Ram 1500 Quadcab 4X4 \$9,500 Black pw/pl, leather interior. 925-876-5588

Locking snug top cover \$800OBO For a Toyota Tacoma. Silver. 209-832-5462

1995 Chevy 4x4 2500 shortbed w/lift kit. 925-783-7174 or 925-634-9938

VACATION RENTALS

5 Star condo at South Tahoe \$650/week 2 BR, 2 BA (sleeps 6), full kitchen, heated swimming pool, hot tubs, sauna. Check in Feb 29. 650-996-4101

Cancun \$1,000 villa available March 22 - March 29. Approx. 1,400 sq. ft. with 2 private BRs, full kitchen, sleeps 6. 925-580-1432

South Lake Tahoe chalet Lab Rates 3 BR 2 BA newly remodeled kitchen, nicely furnished, all amenities, close to all skiing, some weekends still left, MLK weekend still open. 209-599-4644

Truckee/Tahoe home 3 BR-2 BA, fully furnished, forest setting, Cable, Decks, Garage + ample parking, Hot Tub, Close to Old Town Truckee and Northstar + all N. Shore resorts. 925-784-0245

Carmel Week of AT&T ProAm Feb 5-10 \$2,500 Horizon View Townhouse at the Highlands Inn Feb 5-10. 925-639-1433

Wine country rental \$150/night Monte Rio, Country Cottage, 3 BD, 1.5 BAs, sleeps 6, remodeled kitchen, fresh interior paint. 925-513-4767

WANTED

1991 Jeep Wrangler doors, Hard top, red if possible but any color could do. 09-482-8792

Baby crib In good condition crib, baby due 1/17/08. 925-339-5448

BOWFLEX Will pick up. Must be in good condition. Call after 6 p.m. 925-586-2882

Desk Computer desk and chair. 925-420-6521

Hybrid bicycle size small Wanted, used Hybrid Bicycle size small. 408-314-3208

Legos Basic bulk mismatched legos. 925-454-1006

Moving boxes needed Moving in three weeks and looking for moving boxes. 209-482-8792

Nintendo DS 925-420-6521

Roof rack for 1997Honda Accord Thule or Yakima would work, need the basic set-up, 925-984-7262

TV stand and coffee table For college student. 209-403-4942

Twin bed Need two, mattresses not needed. 925-420-6521

VCR Used, for TV control, playback only. Will pay \$15 to \$25, based on condition. 925-485-1988

WWII War Souvenirs U.S.,German,Japanese,Italian.Call after 6 p.m. 209-957-3471

Skis for a young adult beginning skier. Ski, boots poles. 209-832-5462

'91 or '92 4dr Chevy Tracker/ Suzuki Sidekick, 4x4 5spd.209-403-1854

PEOPLE NEWS

Historical film depicting life of Edward Teller to be shown in commemoration of his 100th birthday

"Magnificent Obsession: The Life of Edward Teller," a 28-minute film, will be shown by the Laboratory Archives and Research Center at noon Jan. 15 and 17 to commemorate the 100th anniversary of Teller's birth.

The film is unclassified, and all employees are invited to attend. It will be shown twice — Tuesday, Jan. 15, at noon in the Bldg. 132S auditorium (Q/L area), and again Thursday, Jan. 17, at noon in the Bldg. 543 auditorium.

Produced in 1991, the film traces Teller's early years, education and scientific and political contributions. The film includes historical photographs, archival film footage and an interview with Teller.

To see a clip of the movie, see *NewsOnLine*.

For more information, contact Laboratory Archivist Maxine Trost, 2-6539, or trost5@llnl.gov, or see the flier. These showings are part of a series of historical films produced by LLNL now held in the Laboratory Archives and Research Center.



Magnificent Obsession The Life of Edward Teller

Historical Film

commemorating the 100th anniversary of his birth



Presented by the Laboratory Archives and Research Center

Tuesday
January 15
12:00 noon
B132S Auditorium (L/Q)

Thursday
January 17
12:00 noon
B543 Auditorium

Information 2-6539; llnl-archives@llnl.gov

January 2008
ARCHIVES

IN MEMORIAM

Thomas Bernard Silvey, Sr.

Tom Silvey, a Lab retiree and resident of Livermore died Dec. 26 after a brief illness. He was 86.

Silvey was born in Mackey, Idaho on June 15, 1921. He attended grammar and high school in Stockton, Calif. and lived there for 34 years.

One of his first jobs was as an aeronautical draftsman for Lockheed Aircraft in Burbank, Calif. A veteran of World War II, he was an aerial engineer and flew on B-24 bombers. After his service in the war, he worked at the Sharpe General Depot as a chief draftsman.

Silvey worked at the Lab for 27 years in Plant Engineering, including 14 years at Site 300. He participated in the Cannikin weapons testing on Amchitka in the Aleutian Islands.

He was an active member of

Saint Michael's Church in Livermore where he served as a lecturer, usher and maintenance foreman. He was a member of the Knights of Columbus and SIRS. He enjoyed woodworking, golf and traveling in his motor home with his wife.

He is survived by his wife, Madeleine; son Tom Silvey Jr.; daughters Michelle Walter, Madeleine Heal, Mimi Testerman, and Monique Advienko; sisters Mary Jo, Edna, and Pat; brother-in-law Rex; nine grandchildren and numerous nieces and nephews.

Services were held in Livermore. Donations in Silvey's name may be made to the Knights Helping Knights Fund through the Knights of Columbus in care of Father Patrick Power, Council 4588, P.O. Box 1007, Livermore, CA 94551.

John Huffman

Retired engineer John Huffman died Oct. 26 from heart failure. He was 84.

Huffman was a senior engineering associate at the Laboratory for 25 years in the Materials Fabrication Division. He wrote a book, "Basic Heat Treating," and taught classes in

his field.

He enjoyed golf, bridge, travel and gardening.

Huffman is survived by his wife of 61 years, Anita Huffman, three children, 6 grandchildren and 6 great grandchildren.

NEWSLINE

Newsline is published weekly by the Public Affairs Office, Lawrence Livermore National Laboratory (LLNL), for Laboratory employees and retirees.

Public Affairs Office: L-3, Bldg. 111, LLNL, P.O. Box 808, Livermore, CA 94551-0808
Telephone: (925) 422-4599; Fax: (925) 422-9291
e-mail: newsline@llnl.gov or newsonline@llnl.gov
Web site: <http://www.llnl.gov/pao/>
Distribution: Mail Services at LLNL

Newsline editor: Don Johnston, 3-4902

Contributing writers: Nancy Garcia, 2-1099; Bob Hirschfeld, 2-2379; Linda Lucchetti, 2-5815; David Schwoegler, 2-6900; Anne M. Stark, 2-9799; Stephen Wampler, 3-3107.

Photographer: Jacqueline McBride, 2-0175

Designers: Julie Korhummel, 2-9709; Kathleen Smith, 3-4769

For an extended list of Lab beats and contacts, see <http://www.llnl.gov/pao/contact/>

Computation conserves energy without losing its cool

By Nancy Garcia
Newsline staff writer

They say the hallmark of an engineer is to look for ways to do something better. Perhaps that is why last summer, Computation Directorate Program Facility Manager Anna Maria Bailey, an electrical engineer, began looking for energy savings from the Lab's supercomputer buildings.

In essence, she decided in the heat of summer that it may no longer be cool to stay quite so cool. If the Lab's Terascale Simulation Facility, home to the world's fastest supercomputer, needed less cooling power, savings of up to \$300,000 a year might be realized.

She was given the go-ahead by Program Director for Advanced Simulation and Computing, Mike McCoy, to pull together a team to simulate the proposed rise in temperature, using an online tool from Lawrence Berkeley Laboratory (LBL) (<http://hightech.lbl.gov/datacenters.html>). In addition to following guidance about prospective energy savings, she has been capturing data so future models can be better refined. There has been a growing sense in the industry, she said, that data centers need not be kept so cool.

"There's a lot of potential for savings there," she says. "Efforts like this will help to provide sufficient data to prove it." Paul Scheihing of the Department of Energy's data center energy initiative agrees.

"What most data center operators do is, they overcool their rooms — they run them like a meat locker," Scheihing is a technology manager in the DOE Office of Science's Industrial Technologies Program, which helped create the online tool that recommends prospective energy savings for commercial and government facilities.

"The Terascale Simulation Facility has done a good job of incorporating best practices," he says.

"We began raising the temperature in the east and west machine rooms of Bldg. 453 on Oct. 27," Bailey says. This followed using a self-benchmarking tool from LBL's Website in September and a baseline computational fluid dynamics model which profiles airflow required to cool the machines adequately.

"One of the initial savings identified from the benchmarking study was to increase the chilled water supply temperature in addition to the air supply," she adds.

The combined projected savings from raising the air supply temperature from 52 to 56 degrees and the chilled water temperature by one degree is 5,789,982 kilowatt hours per year. At a cost of 6 cents per kwh, that represents over \$300,000.

The model indicated it might be possible to raise temperatures in the machine room by up to 8 degrees and remain within the operating range of the nodes at the top of the racks, where the heat is highest (hot spots might average 90 degrees or more, and with planned layout, can be the focus of additional airflow).

Already the team has discovered that the temperature of hot spots has not increased proportionally to the increased temperature of the air supply.



PHOTO BY JACQUELINE McBRIDE/NEWSLINE

Anna Maria Bailey stands in one of the supercomputer rooms.

"We want to find out what is that balance point," Bailey says. "There's a lot more opportunity to gain from this."

After a break from the winter holidays, the team will again try gradually increasing the temperature by a degree a week, checking during weekly status meetings to see if there is any effect on the high-performance computing operations (such as an increased rate of node failures) or any other facility impact.

The model also showed that despite closing dampers under the floor, there was some air leakage in open areas where cooling was not needed. The model indicated that reconfiguring the tile layout (replacing grated and perforated with solid tiles) would allow shutting down an air handler. Each air handler is equipped with a 100 horsepower motor and moves 80,000 cubic feet per minute of air. Shutting one unit down equates to an energy reduction of 675,000 kwh/yr. Both rooms are in the process of being reconfigured to address the air leakage to evaluate if the number of total air handlers can be reduced.

"We also plan to identify possible solutions at Bldg. 451 in the next couple of months," Bailey adds. "We also have started the benchmarking data gathering for Bldg. 439, Bldg. 115 and Bldg. 117 this month. Once you start reducing energy consumption, you really get the bug."

The team members include Mariann Silveira, Pat Lyons, Matthew Williams, Andy Williams, Edward Chesney, Fred Juarez and Chris Deprater.

Emergency Programs plan shelter-in-place drills

The Lab's Emergency Programs Organization will conduct shelter-in-place drills at various facilities at the main site and at Site 300 in the upcoming months, as required by DOE Order 151.1C, the Comprehensive Emergency Management System.

Each drill will be short and will be limited to specific facilities; participants will be notified beforehand of their involvement in an upcoming drill.

Employees are reminded that shelter-in-place is a protective measure employees may be directed to take to minimize the potential for exposure to hazards from external threats, such as hazardous material or a security event.

If shelter-in-place protective action is necessary, affected employees will be notified via the LLNL Emergency Voice Alarm System, the self-help program emergency communications structure and/or Lab firefighters/Protective Force Officers. When instructed to shelter-in-place, personnel will remain indoors and await further instructions from emergency personnel or senior managers. If outside, personnel will immediately move indoors to the nearest building. Employees are not to leave shelter until released by emergency personnel or senior managers.

Each principal associate director has been directed (ES&H Manual 22.7, Protective Actions) to include a shelter-in-place plan in their self-help emergency plans, and to stipulate in those plans, if and when, additional protective actions may be necessary (e.g., moving to a common area or shutting off ventilation if that can be done safely). Responsible individuals (supervisors or hosts) are to ensure that all personnel (employees, guests and visitors) are instructed on the protective actions to be taken in the event of an order to shelter-in-place or a building evacuation (self-help).

Employees directed to shelter-in-place should:

- Shelter — Stay inside your building or go inside the nearest building.
- Shut — Close doors and windows.
- Listen — Listen for further instructions. Avoid using the telephone unless there is a life-threatening emergency.

For more information on shelter-in-place or other self-help activities, contact the Emergency Programs Organization Self-Help/Shelter-in-Place Manager Thad Kedzierski, 4-5148, or e-mail kedzierski@llnl.gov.

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